CSCE 330 Fall 2016

Quiz 7

Thursday 16-11-11

Consider the following code:

qsort :: Ord a -> [a] -> [a] = []

qsort[] = []

qsort (x xs) = qsort Smaller ++ [x ] ++ qsort Larger

                where

                    Smaller = [a | a <- xs, a ≤ x ]

                     Larger = [ b | b <- xs , b > x ]

There appear to be some errors that will keep this code from running. List the five problems with the above code and what you would do to correct them.

1.) There should be an => between Ord a and [a] because Ord is a type class.

2.) Smaller is a variable and should be lowercase.

3.) Larger is a variable and should be lowercase.

4.) There should be a : between x and xs .

5.) Smaller and Larger must be indented equally in the where clause.